PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: RONALD J. SHORE ANTONELLI, TERRY, STOUT & KRAUS, LLP SUITE 1800	PCT NOTIFICATION OF TRANSMITTAL OF				
1300 NORTH SEVENTEETH STREET ARLINGTON, VA 22209	THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION				
Docketed WB 1/18/03	(PCT Rule 44.1)				
	Date of Mailing (day/month/year) 17 JUL 2003				
Applicant's or agent's file reference 766.42710A00	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US03/11788	International filing date (day/month/year) 17 April 2003 (17.04.2003)				
Applicant SY-KLONE COMPANY, INC.					
1. The applicant is hereby notified that the international sear	rch report has been established and is transmitted herewith.				
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):					
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.					
Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35					
For more detailed instructions, see the notes on the accompanying sheet.					
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3. With regard to the protest against payment of (an) addit	ional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Burcau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders					
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.					
Name and mailing address of the ISA/US	Authorites office				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Robert A Hopkins					

Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet).

Telephone No. 703-308-0661

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or 766.42710A00	agent's file reference	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable,				
International ap PCT/US03/117	pplication No. 788	International filing date (day/mont) 17 April 2003 (17.04.2003)	item 5 bel h/year)	(Earliest) Priority Date (day/month/year)			
Applicant SY-KLONE Co	OMPANY, INC.						
This internatio	nal search report consists of It is also accompanied	transmitted to the International B	ureau.	ithority and is transmitted to the applicant			
l — """	th regard to the language, the guage in which it was filed,	dilless otherwise indicated under thi	s item.	pasis of the international application in the			
b. Wit	sumority (Rule 23.1(D)).	and/or amino acid sequence disclos		international application furnished to this international application, the international			
ه ایا ه	ontained in the international	application in written form.					
L fi	iled together with the interna	ational application in computer reada	able form.				
fi	furnished subsequently to this Authority in written form.						
fi	arnished subsequently to this	Authority in computer readable for	m.				
L] th	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
th	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
2. C	Certain claims were found unsearchable (See Box I).						
3. U 4. With regar	nity of invention is lacking rd to the title,	(See Box II).					
∠ th	e text is approved as submit	ted by the applicant.					
th	e text has been established b	by this Authority to read as follows:					
	rd to the abstract,						
	e text is approved as submitt						
th w	e text has been established, a ithin one month from the dat	according to Rule 38.2(b), by this A te of mailing of this international sea	authority as	s it appears in Box III. The applicant may, t, submit comments to this Authority.			
6. The figure	of the drawings to be publi	shed with the abstract is Figure No.	4				
	suggested by the applicant.	•	_	None of the figures			
<u></u> be	because the applicant failed to suggest a figure.						
be	cause this figure better char	acterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11788

A. CLA	ASSIFICATION OF SUBJECT MATTER			
IPC(7)	: B01D 50/00, 45/14			
US CL	: 95/ 268, 270; 55/337, 385.3, 396, 401, 437,	457, 467,	503	
According to	o International Patent Classification (IPC) or to both	national cla	ssification and IPC	•
	LDS SEARCHED			
Minimum de	ocumentation searched (classification system followed	hy classifi	iostion symbols)	
U.S. : 9	95/ 268, 270; 55/337, 385.3, 396, 401, 437, 438, 45	57, 467, 50	ication symbols) 3	
Documentati	ion searched other than minimum documentation to the	ne extent th	at such documents are included	in the Galde assure d
NONE	accommendation to the	ic extent th	at such documents are included	in the fields searched
NONE	ata base consulted during the international search (nat	me of data	base and, where practicable, sea	rch terms used)
NONE				
0 000	V D CD V			
	CUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where	appropriate	e, of the relevant passages	Relevant to claim No
. A	US 5,545,241 A (VANDERAUWERA et al) 13 A	ugust 1996,	entire reference.	1-23
Α	LIS 6 210 204 D1 040DEDOGEN 20 N		-	
Л	US 6,319,304 B1 (MOREDOCK) 20 November 20	001, entire	reference.	1-23
Α	US 4,048,911 A (PETERSON) 20 September 1977, entire reference.			1 22
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Further	documents are listed in the continuation of Box C.		See patent family annex.	
SI	pecial categories of cited documents:	"T"	later document published after the inte	mational filing date or priority
A" document	defining the general state of the art which is not considered to be		date and not in conflict with the applic principle or theory underlying the inve	ation but cited to understand t
of particul	lar relevance	"X"		
E" earlier app	plication or patent published on or after the international filing date	· X	document of particular relevance; the considered novel or cannot be conside	claimed invention cannot be red to involve an inventive ster
L" document	which may throw doubts on priority claim(s) or which is cited to		when the document is taken alone	to to mitotic at mitotilito ste
establish t	the publication date of another citation or other special reason (as	"Y"	document of particular relevance; the	claimed invention cannot be
specified)			considered to involve an inventive ster	when the document is
O" document	referring to an oral disclosure, use, exhibition or other means		combined with one or more other such being obvious to a person skilled in the	i documents, such combination e art
P" document	published prior to the international filing date but later than the	"&"	document member of the same patent	family
priority da	ate claimed	-	assume inclined of the same patent	ianiny
Date of the ac	ctual completion of the international search	Date of 1	mailing of the international sear	sk-report
6 June 2003	(26.06.2003)	1 .1	→ + CJUL ZUL	
	illing address of the ISA/US	Authoriz	edofficer	
	1 Stop PCT, Attn: ISA/US	1 15 He	vertura/	
	missioner for Patents	Robert	A Hopkins	
	. Box 1450 kandria, Virginia 22313-1450	Telephor	ne No. 703-308-0661	
	. (703)305-3230			
rm PCT/ISA	1/210 (second sheet) (July 1998)			

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the casims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter II.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A seplecement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate; in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (IV) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

NOTES TO FORM PCT/ISA/220 (continued)

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English.

It should not be confounded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It should not contain any disparaging comments on the international search report or the relevance of citations contained in the report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English or French; otherwise, it must be in English or French, at the choice of the applicant.

Consequence if a demand for international preliminary examination has already been filed?

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.